| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/003,773 | 11/15/2001 | Gregory R. Lloyd | TSQ-001 | 4625 |

| 959 7590 07/02/2004 | EXAMINER |
|---|---|
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| ART UNIT | PAPER NUMBER |
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| 2175 | |

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☐ Responsive to communication(s) filed on _____.

2a) ☐ This action is **FINAL**.          2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
     closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) _1-31_ is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-7,15 and 17-31_ is/are rejected.

7) ☒ Claim(s) _8-13, 16_ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

    1. ☐ Certified copies of the priority documents have been received.

    2. ☐ Certified copies of the priority documents have been received in Application No. _____.

    3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage
       application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1.      The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under
section 122(b), by another filed in the United States before the invention by the
applicant for patent or (2) a patent granted on an application for patent by another
filed in the United States before the invention by the applicant for patent, except
that an international application filed under the treaty defined in section 351(a)
shall have the effects for purposes of this subsection of an application filed in the
United States only if the international application designated the United States
and was published under Article 21(2) of such treaty in the English language.

2.      Claims 1-7, 14-15, and 17-31 are rejected under 35 U.S.C. 102(e) as being

anticipated by deVries et al. (U.S. Patent No. 6,311,189 B1.


As to claim 1, deVries et al. discloses in an electronic device, a method,

comprising the steps of:

providing a plurality of entries containing data (See column 16, lines 1-38);

assigning an entry identification number ( "entry ID" ) to each of said entries (See

column 16, lines 1-38),

each said entry ID being a unique value (See column 16, lines 1-38);

storing each entry indexed by its entry ID (See column 16, lines 1-38);

altering a selected one of said entries to create a new entry, said new entry having

an entry ID assigned (See column 19, lines 17-67),

cross-indexing said new entry with said selected entry (See column 19, lines 59-67, and see column 20, lines 1-50);

updating a meta structure associated with said selected entry to reflect relationship changes caused by said new entry, said updating including the time said selected entry was altered (See column 17, lines 17-38, also see column 19, lines 17-45, also see column 19, lines 59067, and see column 20, lines 1-3); and

displaying said new entry in response to requests for said selected entry (See column 19, lines 59-67, and see column 20, lines 1-50).

As to claim 2, deVries et al. discloses comprising the further steps of:

parsing said selected entry into segments (See column 2, lines 8-38);

assigning an item ID having a unique value to each of said segments (See column 16, lines 1-38); and

updating the meta structure of said selected entry to include a reference to said item IDs (See column 24, lines 58-67, and see 19, lines 36-58).

As to claim 3, deVries et al. discloses comprising the further step of:

appending the parsed data from said selected entry to a journal, said journal being a data structure located in permanent memory (See column 2, lines 39-67).

As to claim 4, deVries et al. discloses comprising the further step of:

attaching a label to at least one of said segments, wherein said label is cross indexed with said segment, said selected entry and with a data structure referencing other

entries containing segments with said label (See column 16, lines 1-38, also see column 2, lines 8-38).

As to claim 5, deVries et al. discloses comprising the further steps of:

searching said plurality of entries based on said label (See column 17, lines 59-67, and see column 18, lines 1-16); and

displaying the results of said search on a web page that references entries from said plurality of entries that contain said label (See column 17, lines 39-58).

As to claim 6, deVries et al. discloses comprising the further step of:

attaching a user-provided label to a user-defined part of said selected entry, said label being cross-indexed with said user-defined part, said selected entry and with a data structure referencing other entries containing said label (See column 20, lines 4-50, also see column 18, lines 1-16).

As to claim 7, deVries et al. discloses comprising the further step of:

displaying a web page containing only said user-defined part of said selected entry (See column 20, lines 4-50).

As to claim 14, deVries et al. discloses further:

providing a permanent memory location

parsing the data contained within said selected entry; and

storing the parsed data in a permanent memory location.

As to claim 15, deVries et al. discloses comprising the further steps of:

storing a reference to at least one of, another entry, an update to said selected

entry, and a labeling of said selected entry, in a meta structure stored in a data structure in

said permanent memory location (See column 16, lines 1-38).

As to claim 17, deVries et al. discloses wherein said selected entry is an email

message (See column 9, lines 4-39).

As to claim 18, deVries et al. discloses wherein said selected entry is an

attachment to an email message (See column 9, lines 4-39).

As to claim 19, deVries et al. discloses wherein said selected entry is a web page

(See column 19, lines 1-16).

As to claim 20, deVries et al. discloses wherein said selected entry is user-input

text (See column 16, lines 1-38, also see column 18, lines 1-16).

As to claim 21, deVries et al. discloses wherein said electronic device is

interfaced with a network (See column 17, lines 39-58).

As to claim 22, deVries et al. discloses wherein said data contained in said

selected entry is audio data (See column 21, lines 59-67).

As to claim 23, deVries et al. discloses wherein said data contained in said selected entry is video data (See column 22, lines 38-53).

As to claim 24, deVries et al. discloses wherein said entry is a complete document (See column 20, lines 51-67).

As to claim 25, deVries et al. discloses in a network, a method comprising the steps of:

storing a selected entry; updating said selected entry to create a new entry (See column 19, lines 11-35);

cross-indexing said selected entry to said new entry (See column 19, lines 17-35, and see column 19, lines 59-67, and see column 20, lines 1-3); and

displaying said new entry automatically via a document publishing system when said selected entry is selected by a user, said displayed new entry containing references back to said selected entry (See column 21, lines 19-41, also see column 18, lines 1-31).

As to claim 26, deVries et al. discloses comprising the further steps of:

dividing said selected entries into user defined segments (See column 2, lines 8-38);

attaching a label to at least one of said segments, said label cross-indexed with said segment, said selected entry and an index holding references to entries containing said label (See column 2, lines 29-59, and see column 16, lines 4-57).

As to claim 27, <u>deVries et al.</u> discloses in an electronic device, a medium holding computer-executable instructions for a method, said method, comprising the steps of:

providing a plurality of entries containing data (See column20, lines 32-50);

assigning an entry identification number ( "entry ID") to each of said entries, said entry ID being a unique value (See column 16, lines 1-38);

storing each entry indexed by its entry ID (See column 16, lines 1-38);

altering a selected one of said entries to create a new entry, said new entry having an entry ID assigned, said new entry cross-indexed with said selected entry (See column 17, lines 17-38, also see column 19, lines 17-45, also see column 19, lines 59-67, and see column 20, lines 1-3);

updating a meta structure associated with said selected entry to indicate the time said selected entry was altered (See column 19, lines 17-45, also see column 19, lines 59067, and see column 20, lines 1-3); and

displaying said new entry in response to requests for said selected entry (See column 20, lines 4-30).


As to claim 28, <u>deVries et al.</u> discloses wherein said method comprises the further steps of:

parsing said selected entry into segments (See column 2, lines 8-38);

assigning an item ID having a unique value to each of said segments (See column 16, lines 1-38); and

updating the meta structure of said selected entry to include a reference to said

item ID (See column 24, lines 58-67, and see 19, lines 36-58).

As to claim 29, deVries et al. discloses wherein said method comprises the further

step of:

attaching a label to at least one of said segments, said label cross-indexed with

said segment, said selected entry and with a table of other entries containing segments

with said label (See column 16, lines 1-38, also see column 2, lines 8-38).

As to claim 30, deVries et al. discloses in an electronic device, a method

comprising the steps of:

providing a plurality of entries containing data, said data including labels

referencing segments of said data (See column 16, lines 1-38);

cross-referencing a selected one of said plurality of entries with at least one

different version of said selected entry (See column 19, lines 17-35, and see column 19,

lines 59-67, and see column 20, lines 1-3);

storing in a data structure associated with said selected entry the time said labels

became associated with said selected entry (See column 19, lines 36-43, and see column

20, lines 31-50);

storing in said data structure associated with said selected entry the time said at

least one different version became associated with said selected entry (See column 19,

lines 17-43, and see column 20, lines 1-50);

selecting a time slice to apply to a selected entry, said time slice corresponding to

a period of time (See column 19, lines 36-43, and see column 20, lines 31-50);

selecting a perspective to apply to said selected entry, said perspective being a

date reference controlling which labels to display with said entry (See column 10, lines 3-

65); and

displaying said selected entry constrained by said time slice and said perspective

(See column 14, lines 34-56).


As to claim 31, deVries et al. discloses in an electronic device, a method,

comprising the steps of:

providing a plurality of entries containing data, said data including labels cross-

indexed with segments of said data (See column 2, lines 8-65);

searching said plurality of entries based on said label (See column 17, lines 59-67,

and see column 18, lines 1-16); and

displaying the results of said search in a document referencing other entries from

said plurality of entries that contain said label (See column 16, lines 1-38).


### *Allowable Subject Matter*

5.    Claims 8-13, and 16 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form **including** all of the

limitations of the base claim and any intervening claims.


6.    The following is a statement of reasons for the indication of allowable subject

matter:

The prior art of record (deVries et al. -U.S. Patent No. 6,311,189 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), searching said plurality of entries based on said label; and displaying the results of said search on a web page, wherein said web page references all of the entries from said plurality of entries that contain said label, as claimed in claim 8.

The prior art of record (deVries et al. -U.S. Patent No. 6,311,189 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), indicating in said data structure holding the original label the time the original label is replaced; and displaying said different label with said selected entry in response to requests for earlier versions of said selected entry which originally lacked said different label, as claimed in claim 9.

Claims 10-13 are objected to because they are dependent from objected to dependent claim 9.

The prior art of record (deVries et al. -U.S. Patent No. 6,311,189 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), wherein said meta structure includes a grammar object, said grammar object expressing a ternary relationship among said data, as claimed in claim 16.

### *Conclusion*

7.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
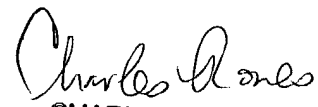
  Otani et al. (U.S. Patent No. 6,631,373 B1) teaches segmented document indexing.

  Basso et al. (U.S. Patent No. 6,751,623 B1) teaches multimedia access.

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 703-305-8114. The examiner can normally be reached on 8:30AM-5: 30PM EST.

  If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil
June 17, 2004

CHARLES RONES
PRIMARY EXAMINER